

Initial Application Part I

Received: 06/27/2019

This application is placed in file for record. It MAY or MAY NOT have been reviewed to be determined Administratively Complete

JUN 27 2019 AM 10:43

RECEIVED: 6/27/19	REVIEWER: BLL	TYPE: SWD	APP NO: pBL1934437882
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ABOVE THIS TABLE FOR OCD DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION
 - Geological & Engineering Bureau -
 1220 South St. Francis Drive, Santa Fe, NM 87505

**ADMINISTRATIVE APPLICATION CHECKLIST**

THIS CHECKLIST IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND
 REGULATIONS WHICH REQUIRE PROCESSING AT THE DIVISION LEVEL IN SANTA FE

Applicant: Solaris Water Midstream, LLC**OGRID Number:** 371643**Well Name:** Colt State SWD #1**API:** 30-015-xxxxx**Pool:** Proposed; SWD; Devonian-Montoya**Pool Code:** 97869

**SUBMIT ACCURATE AND COMPLETE INFORMATION REQUIRED TO PROCESS THE TYPE OF APPLICATION
 INDICATED BELOW**

1) TYPE OF APPLICATION: Check those which apply for [A]

A. Location - Spacing Unit - Simultaneous Dedication

☐ NSL☐ NSP (PROJECT AREA)☐ NSP (PRORATION UNIT)☐ SD**SWD-2348**

B. Check one only for [I] or [II]

[I] Commingling - Storage - Measurement

☐ DHC☐ CTB☐ PLC☐ PC☐ OLS☐ OLM

[II] Injection - Disposal - Pressure Increase - Enhanced Oil Recovery

☐ WFX☐ PMX☒ SWD☐ IPI☐ EOR☐ PPR**2) NOTIFICATION REQUIRED TO:** Check those which apply.A. ☒ Offset operators or lease holdersB. ☐ Royalty, overriding royalty owners, revenue ownersC. ☒ Application requires published noticeD. ☒ Notification and/or concurrent approval by SLOE. ☐ Notification and/or concurrent approval by BLMF. ☒ Surface ownerG. ☒ For all of the above, proof of notification or publication is attached, and/or,H. ☐ No notice required**FOR OCD ONLY**☐

Notice Complete

☐Application
Content
Complete

3) CERTIFICATION: I hereby certify that the information submitted with this application for administrative approval is **accurate** and **complete** to the best of my knowledge. I also understand that **no action** will be taken on this application until the required information and notifications are submitted to the Division.

Note: Statement must be completed by an individual with managerial and/or supervisory capacity.

Whitney McKee

Print or Type Name

Signature

6/25/19

Date

432-203-9020

Phone Number

whitney.mckee@solarismidstream.com

e-mail Address

JUN 27 2019 AM 10:43

STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL
RESOURCES DEPARTMENT

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, New Mexico 87505

FORM C-108
Revised June 10, 2003

APPLICATION FOR AUTHORIZATION TO INJECT

- I. PURPOSE: _____ Secondary Recovery _____ Pressure Maintenance XX Disposal
_____ Storage Application qualifies for administrative approval? X X Yes _____ No
- II. OPERATOR: Solaris Water Midstream, LLC
ADDRESS: 70701 Tradewinds Blvd., Suite C Midland, TX 797066
CONTACT PARTY: Drew Dixon 832-304-7028
- III. WELL DATA: Complete the data required on the reverse side of this form for each well proposed for injection.
- IV. Is this an expansion of an existing project? _____ Yes X No
If yes, give the Division order number authorizing the project: _____
- V. Attach a map that identifies all wells and leases within two miles of any proposed injection well with a one-half mile radius circle drawn around each proposed injection well. This circle identifies the well's area of review. See Addendum
- VI. Attach a tabulation of data on all wells of public record within the area of review which penetrate the proposed injection zone. Such data shall include a description of each well's type, construction, date drilled, location, depth, record of completion, and a schematic of any plugged well illustrating all plugging detail. See Addendum
- VII. Attach data on the proposed operation, including:
1. Proposed average and maximum daily rate and volume of fluids to be injected;
 2. Whether the system is open or closed;
 3. Proposed average and maximum injection pressure;
 4. Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water; and,
 5. If injection is for disposal purposes into a zone not productive of oil or gas at or within one mile of the proposed well, attach a chemical analysis of the disposal zone formation water (may be measured or inferred from existing literature, studies, nearby wells, etc.).
See Addendum
- VIII. VIII. Attach appropriate geologic data on the injection zone including appropriate lithologic detail, geologic name, thickness, and depth. Give the geologic name, the depth to bottom of all underground sources of drinking water (aquifers containing waters with total dissolved solids concentrations of 10,000 mg/l or less) overlying the proposed injection zone as well as any such sources known to be immediately underlying the injection interval.. See Addendum
- IX. Describe the proposed stimulation program, if any.
Stimulations program- A conventional acid job may be performed to clean and open the formation.
- *X. Attach appropriate logging and test data on the well. (If well logs have been filed with the Division, they need not be resubmitted).
Well Logs will be filed with OCD.
- *XI. Attach a chemical analysis of fresh water from two or more fresh water wells (if available and producing) within one mile of any injection or disposal well showing location of wells and dates samples were taken.nj
- XII. Applicants for disposal wells must make an affirmative statement that they have examined available geologic and engineering data and find no evidence of open faults or any other hydrologic connection between the disposal zone and any underground sources of drinking water. See Addendum
- XIII. Applicants must complete the "Proof of Notice" section on the reverse side of this form. "Proof of notice" portion has been completed and attached. All parties have been notified.
- XIV. Certification: I hereby certify that the information submitted with this application is true and correct to the best of my knowledge and belief.
NAME: Whitney McKee TITLE: Regulatory Specialist Solaris Water Midstream, LLC
- XV. SIGNATURE: Whitney McKee DATE: 6/25/2019
E-MAIL ADDRESS: whitney.mckee@solarismidstream.com
- XVI. If the information required under Sections VI, VIII, X, and XI above has been previously submitted, it need not be resubmitted.
Please show the date and circumstances of the earlier submittal: _____

DISTRIBUTION: Original and one copy to Santa Fe with one copy to the appropriate District Office

III. WELL DATA See Addendum

- A. The following well data must be submitted for each injection well covered by this application. The data must be both in tabular and schematic form and shall include:

- (1) Lease name; Well No.; Location by Section, Township and Range; and footage location within the section.
- (2) Each casing string used with its size, setting depth, sacks of cement used, hole size, top of cement, and how such top was determined.
- (3) A description of the tubing to be used including its size, lining material, and setting depth.
- (4) The name, model, and setting depth of the packer used or a description of any other seal system or assembly used.

Division District Offices have supplies of Well Data Sheets which may be used or which may be used as models for this purpose. Applicants for several identical wells may submit a "typical data sheet" rather than submitting the data for each well.

- B. The following must be submitted for each injection well covered by this application. All items must be addressed for the initial well. Responses for additional wells need be shown only when different. Information shown on schematics need not be repeated.

- (1) The name of the injection formation and, if applicable, the field or pool name.
- (2) The injection interval and whether it is perforated or open-hole.
- (3) State if the well was drilled for injection or, if not, the original purpose of the well.
- (4) Give the depths of any other perforated intervals and detail on the sacks of cement or bridge plugs used to seal off such perforations.
- (5) Give the depth to and the name of the next higher and next lower oil or gas zone in the area of the well, if any.

- C. PROOF OF NOTICE See Addendum

All applicants must furnish proof that a copy of the application has been furnished, by certified or registered mail, to the owner of the surface of the land on which the well is to be located and to each leasehold operator within one-half mile of the well location.

Where an application is subject to administrative approval, a proof of publication must be submitted. Such proof shall consist of a copy of the legal advertisement which was published in the county in which the well is located. The contents of such advertisement must include:

- (1) The name, address, phone number, and contact party for the applicant;
- (2) The intended purpose of the injection well; with the exact location of single wells or the Section, Township, and Range location of multiple wells;
- (3) The formation name and depth with expected maximum injection rates and pressures; and,
- (4) A notation that interested parties must file objections or requests for hearing with the Oil Conservation Division, 1220 South St. Francis Dr., Santa Fe, New Mexico 87505, within 15 days.

NO ACTION WILL BE TAKEN ON THE APPLICATION UNTIL PROPER PROOF OF NOTICE HAS BEEN SUBMITTED.

NOTICE: Surface owners or offset operators must file any objections or requests for hearing of administrative applications within 15 days from the date this application was mailed to them.



June 25th, 2019

New Mexico Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, New Mexico 87505

Attn: Ms. Adrienne Sandoval, Director

Re: Application of Solaris Water Midstream, LLC to drill and permit for saltwater disposal
The Colt State SWD Well #1, to be located in Section 2, Township 25 South, Range 32
East, NMPM, Lea County, New Mexico.

Dear Ms. Sandoval,

Please find the enclosed form C-108 Application for Authority to Inject, supporting the above-referenced request for saltwater disposal. The well will be operated as a commercial endeavor offering operators in the area additional options for produced water disposal.

Solaris Water Midstream is a major provider of saltwater disposal services to operators in southeast New Mexico and seeks to optimize efficiency, both economically and operationally, of all its operations. Approval of this application is consistent with that goal as well as the NMOCD's mission of preventing waste and protection of correlative rights.

I would point out that this application for a proposed Devonian SWD interval is part of a larger produced water recycling facility. A published legal notice will run this week in the Hobbs News Sun and all offset operators and other interested parties have been notified individually. The legal notice affidavit will be forwarded upon receipt. This application also includes a wellbore schematic, area of review maps, affected party plat and other required information for a complete Form C-108. The well is located on State Trust Land and minerals. There are state lands & minerals and private minerals within the one-mile radius notice area; the State Land Office and offset operators have been notified of this application.

I respectfully request that the approval of this salt water disposal well proceed swiftly and if you or your staff requires additional information or has any questions, please do not hesitate to call or email me.

Thank you,

A handwritten signature in black ink, appearing to read "Whitney McKee".

Whitney McKee

Solaris Water Midstream, LLC
Regulatory Specialist

907 Tradewinds Blvd, Suite B, Midland TX 79706

Side 1

INJECTION WELL DATA SHEET

OPERATOR: _____ Solaris Water Midstream, LLC _____

WELL NAME & NUMBER: _____ Colt State SWD #1 _____

WELL LOCATION: _____ 1440' FNL & 300 'FWL _____ E _____ S: 2 _____ T:25S _____ R:32E _____
FOOTAGE LOCATION UNIT LETTER SECTION TOWNSHIP RANGE

WELLBORE SCHEMATIC

WELL CONSTRUCTION DATA

Surface Casing

Hole Size: _____ 18.125" _____ Casing Size: _____ 16" _____

Cemented with: _____ 2,761 _____ sx. *or* _____ ft³

Top of Cement: _____ SURFACE _____ Method Determined: _____ CIRCULATE _____

Intermediate Casing

Hole Size: _____ 14.75" and 12.25" _____ Casing Size: _____ 13.375" and 9.625" *or*

Cemented with: _____ 3,006 and 2,899 _____ sx. _____ ft³

Top of Cement: _____ SURFACE _____ Method Determined: _____ CIRCULATE _____

Production Casing

Hole Size: _____ 8.5" _____ Casing Size: _____ 7.625" _____ *or*

Cemented with: _____ 217 _____ sx. _____ ft³

Top of Cement: _____ 12,018 _____ Method Determined: _____ CBL

Total Depth: _____ Liner @ 17,343' & TD@ 18,818 _____

Injection Interval

_____ 6.5 Hole Size 17,343 to 18,818 feet _____

Open Hole;

INJECTION WELL DATA SHEET

Tubing Size: 4.5" Lining Material: Douline Glassbore

Type of Packer: Nickel plated double grip retrievable

Packer Setting Depth: approx= 17,293

Other Type of Tubing/Casing Seal (if applicable):

Additional Data

1. Is this a new well drilled for injection? X Yes No

If no, for what purpose was the well originally drilled?

2. Name of the Injection Formation: Devonian, Fusselman, Montoya

3. Name of Field or Pool (if applicable): SWD Devonian

4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail, i.e. sacks of cement or plug(s) used. No

5. Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area: Over: Bell Canyon (4,850'), Cherry Canyon (5,650'), Brushy Canyon (7,200'), 1st BS Sand (9,825'), 2nd BS Sand (10,425'), 3rd BS Sand (11,675'), Wolfcamp (12,100'), Canyon (13,800'), Strawn (14,025'), Atoka (14,300'), Morrow (15,150')

Under: NONE

SOLARIS WATER MIDSTREAM - WELLBORE DATA SHEET

Colt State SWD #1

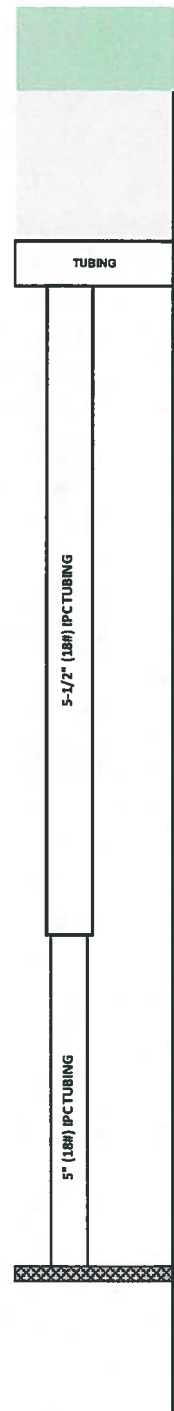


AREA/SYSTEM:	Pecos Star System
WELL NAME:	Colt State SWD #1
OBJECTIVE:	Devonian
SHL:	1440' FNL & 300' FWL, Sec 2, T25S-R32E
BHL:	Same as SHL
SURFACE ELEV.:	3808'
TOTAL DEPTH:	18,818'

MUD LOGGING E LOGGING/ DIRECTIONAL	CASING SIZE (IN.)	RKB DRILL DEPTH MD	TVD	BOPE	FORMATION	HOLE SIZE (IN.)	MUD WT.	FRAC GRAD
Grnd Level	RKB	30						
	GL ELEV.							
	30"	120'	120'	Open	Set and grouted		8.8	
		893			Rustler	18.125"	8.4	
	64 lb/ft J55, BTC	1,193	1,193	21-1/4"-5M Annular/Diverter			8.4	
		1,243			T/Salt		9.5	
Mud Logging to begin @ 2,500'		4,618			B/Salt	14.75"	9.5 to 10	
	68 lb/ft L-80, EZ-GO FJ3	5,361	5,361	13-5/8"-5M Annular			10.0	
		5,668		13-5/8"-5M BOP's	Cherry Canyon		9.4	FIT
		7,218			Brushy Canyon			
		8,768			Bone Spring			
		9,843			1st BS Sand		9.4	
		10,443			2nd BS Sand	12.25"	to 10.0	
		11,693			3rd BS Sand			
	TOL	12,018	12,018					
	53.50 lb/ft HCP-110, BTC	12,218	12,218	13-5/8"-5M Annular	Wolfcamp		10.0	
		13,818		13-5/8"-10M BOP's			12.5	15.6
		14,043			Canyon			
		14,318			Strawn			
		14,868			Atoka	8.5"	12.5 to 13.5	
		15,168			Morrow			
		16,293			Morrow Clastics			
					Barnett			
	Liner Wedge #13	17,343	17,343	13-5/8"-5M Annular	Devonian		13.5	
	39 lb/ft P-110			13-5/8"-10M BOP's				
Run #1						6.5"	9.0	
GR/NEUTRON	18,818 - 0							
USIT/CBL	17,343 - 0							
	Dual 0"							
		TD 18,818	18,818	13-5/8"-5M Annular	Base of Fusselman			
				13-5/8"-10M BOP's				

Formation	GL	3508
Tops	KB	3538
	SS	TVD
Buster	2645	893
T/Salt	2295	1243
B/Salt	-1080	4618
	-2110	5648
Bell Canyon	-1330	4868
Cherry Canyon	-2130	5668
Brushy Canyon	-3680	7218
Bone Spring	-5230	8768
1st BS Sand	-6305	9843
2nd BS Sand	-6905	10443
3rd BS Sand	-8155	11693
Wolfcamp	-8580	12118
Penn		
Clisco		
Canyon	-10280	13818
Strawn	-10505	14043
Atoka	-10780	14318
Morrow	-11330	14868
Morrow Clastics	-11630	15168
Morrow Lower		
Barnett	-12755	16293
Miss LM	-13005	16543
Woodford		
Devonian	-13805	17343
Fusseiman	-15080	18618
T/Montoys	-15480	19018
Simpson	-15930	19468
Edmonburger	-16905	20443
Glenn	-17530	21068
Injection Interval	17343	18618
TD		18618

Casing Set Depths/ Cement								
Conductor	120"							
	Hole Size	Casing Size	Casing Grade	Casing Weight	Setting Depth		Sacks of Cement	TOC
Surface	18.125"	16"	J55, BTC	84 lb/ft	TOP	Bottom		
1st Intermediate	14.75"	13.375"	L-80, EZ-GO FJ3	68 lb/ft	0-	1193	2,761	Surface
2nd Intermediate	12.25"	9.625"	HCP-110, BTC	53.50 lb/ft	0-	4918	3,006	Surface
Liner Wedge 513	8.5"	7.625"	P-110	39 lb/ft	0-	12218	2,899	Surface
Openhole	6.5"				12018	17343	217	Liner Top
					17343	18618		



DISTRICT I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax (575) 393-0720

DISTRICT II
811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax (575) 748-9720

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone: (505) 334-6178 Fax (505) 334-6170

DISTRICT IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax (505) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, New Mexico 87505

Form C-102
Revised August 1, 2011
Submit one copy to appropriate
District Office
☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number	Pool Code 97869	Pool Name SWD; DEVONIAN
Property Code	Property Name COLT STATE SWD	Well Number #1
OGRID No. 371643	Operator Name SOLARIS WATER MIDSTREAM, LLC	Elevation 3508'

Surface Location									
UL or lot no. E	Section 2	Township 25S	Range 32E	Lot Idn	Feet from the 1440	North/South line NORTH	Feet from the 300	East/West line WEST	County LEA

Bottom Hole Location If Different From Surface									
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
Dedicated Acres 5.51		Joint or Infill	Consolidated Code		Order No.				

No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

NW CORNER LAT.: = 32.1688068°N LON.: = 103.6542486°W		NE CORNER LAT.: = 32.1688483°N LON.: = 103.6370569°W	
34	35	35	36
3	2	2	1
1440' 300' COLT STATE SWD #1 SHL: GR. ELEV. 3508' NMSP-E (NAD 83) N.(Y): = 423645.2' E.(X): = 761773.8' LAT.: = 32.1628512° N LON.: = 103.6532827° W NMSP-E (NAD 27) N.(Y): = 423586.9' E.(X): = 710588.6' LAT.: = 32.1627270° N LON.: = 103.6528060° W		2	
3	2	2	1
10	11	11	12
SW CORNER LAT.: = 32.1522783°N LON.: = 103.6542314°W		SE CORNER LAT.: = 32.1522919°N LON.: = 103.6370414°W	

OPERATOR CERTIFICATION
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Signature _____ Date _____

Print Name _____

E-mail Address _____

SURVEYORS CERTIFICATION
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

APRIL 23, 2019
Date of Survey

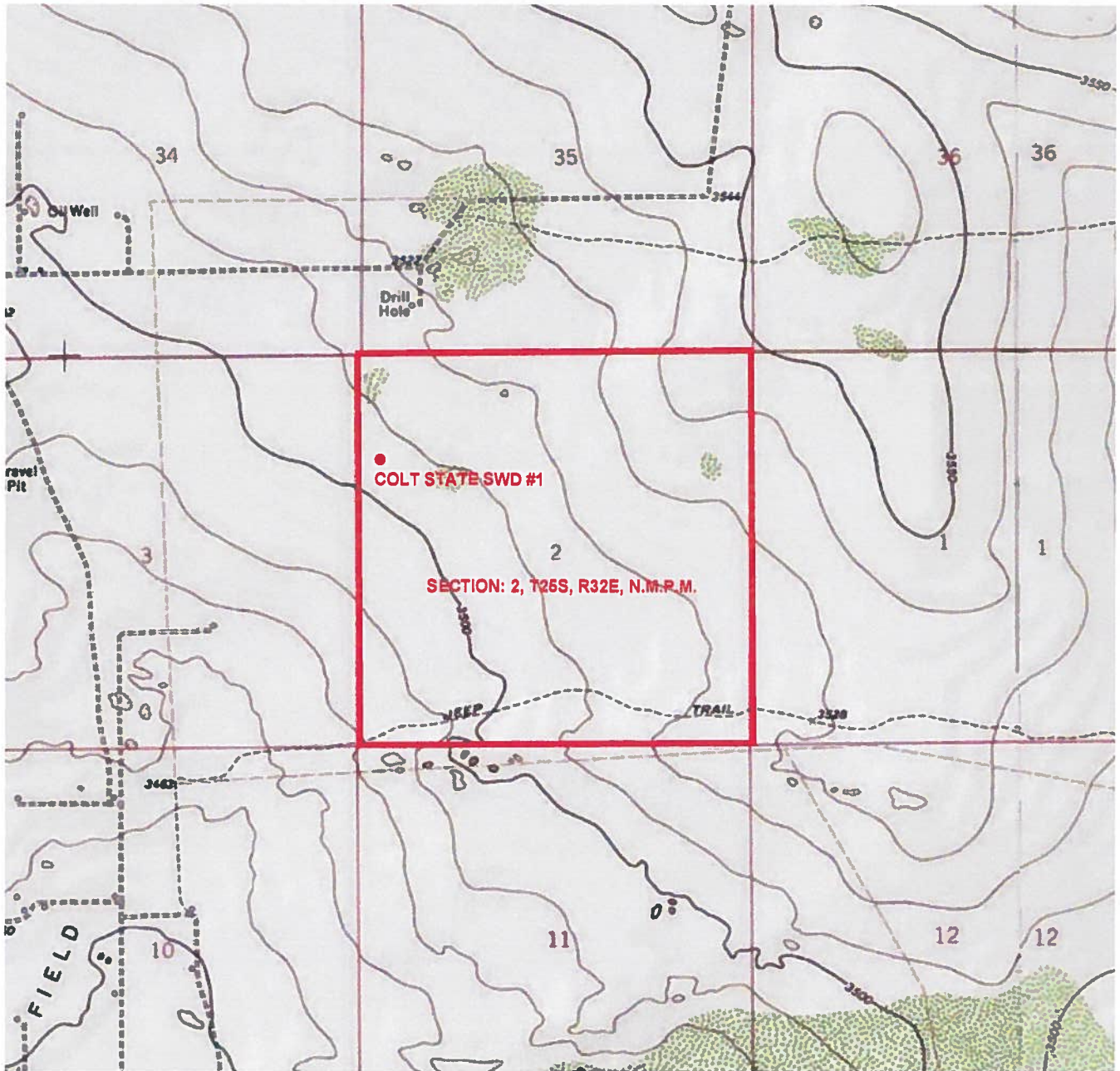
Signature and Seal of Professional Surveyor: _____



Job No.: WTC53208 Draft: M.P.
JAMES E. TOMPKINS 14729
Certificate Number _____

PLAT: X:\PROJECTS\OIL & GAS SURVEYS\SOLARIS MIDSTREAM\53208-SOLARIS MIDSTREAM\STAKE & PLAT 5 SWD LOCATIONS, LEA CO, NM\DRAWINGS\53208-SOLARIS MIDSTREAM\STAKE & PLAT 5 SWD LOCATIONS, LEA CO, NM LAYOUT TAB: MAP55772019 10:00 AM

LOCATION VERIFICATION MAP



SECTION: 2, T25S, R32E, N.M.P.M.

COUNTY: LEA STATE: NEW MEXICO

DESCRIPTION: 1440' FNL & 300' FWL

OPERATOR: SOLARIS WATER MIDSTREAM, LLC

WELL NAME: COLT STATE SWD #1

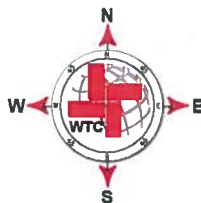
2000 0 2000 4000 FEET

SCALE: 1" = 2000'

DRIVING DIRECTIONS:
BEGINNING AT THE INTERSECTION OF NM HIGHWAY 128 AND ORLA RD. IN JAL, NEW MEXICO; HEAD SOUTH ON ORLA RD. FOR ±3.4 MILES TO A LEASE ROAD ON THE LEFT. TURN LEFT. HEAD EAST FOR ±0.5 MILES. TURN RIGHT. HEAD SOUTH FOR ±0.2 MILES. THE STAKED LOCATION FLAG IS TO THE EAST ±0.6 MILES FROM THE LEASE ROAD.

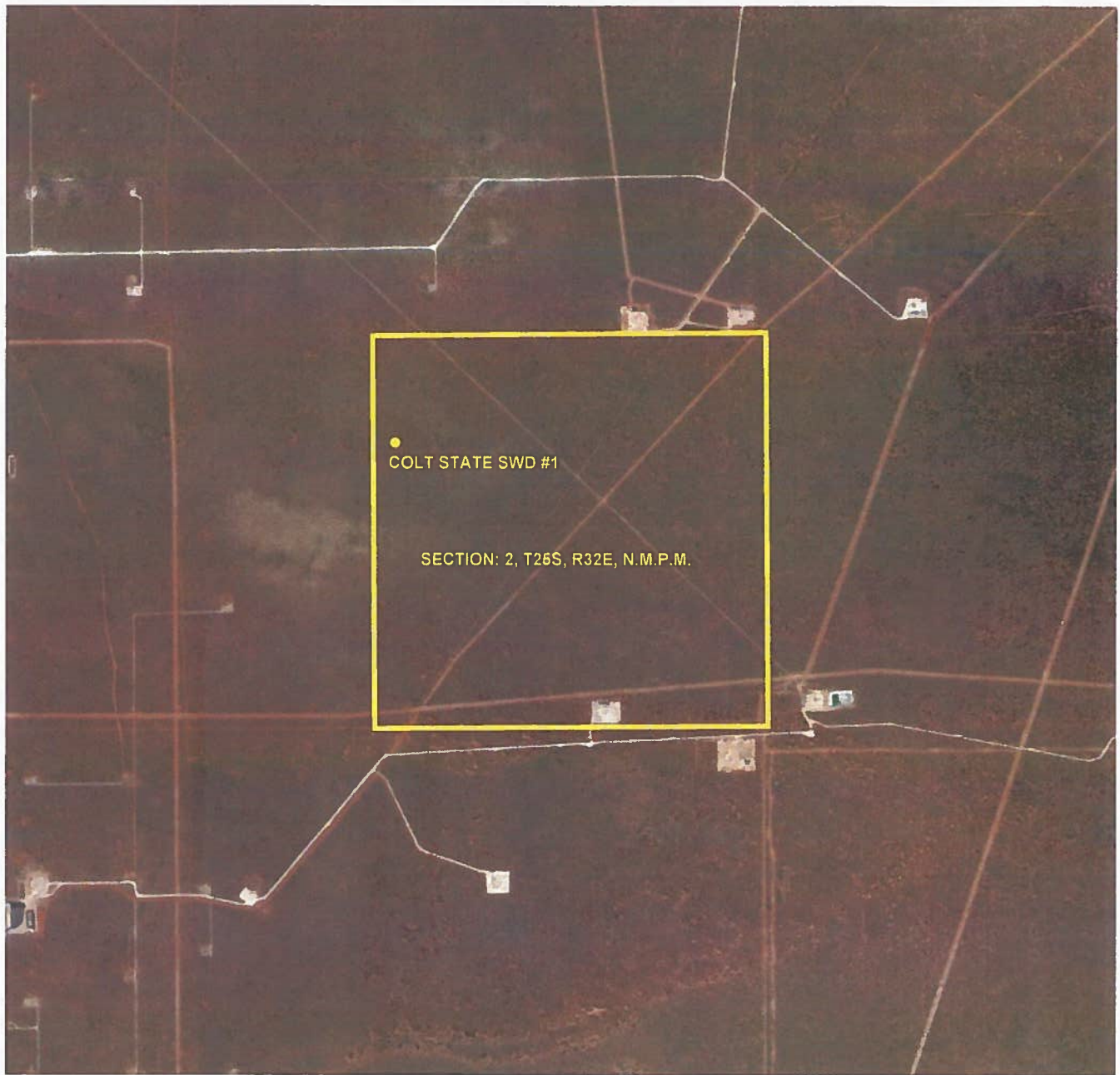
WTC, INC.
405 S.W. 1st Street
Andrews, TX 79714
(432) 523-2181

WTC
ENGINEERS | SURVEYORS



SOLARIS
WATER MIDSTREAM
JOB No.: WTC53208

AERIAL MAP



SECTION: 2, T25S, R32E, N.M.P.M.

COUNTY: LEA STATE: NEW MEXICO

DESCRIPTION: 1440' FNL & 300' FWL

OPERATOR: SOLARIS WATER MIDSTREAM, LLC

WELL NAME: COLT STATE SWD #1

2000 0 2000 4000 FEET

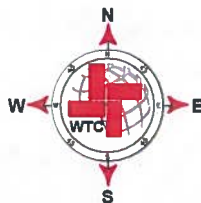


SCALE: 1" = 2000'

DRIVING DIRECTIONS:

BEGINNING AT THE INTERSECTION OF NM HIGHWAY 128 AND ORLA RD. IN JAL, NEW MEXICO; HEAD SOUTH ON ORLA RD. FOR ± 3.4 MILES TO A LEASE ROAD ON THE LEFT. TURN LEFT. HEAD EAST FOR ± 0.5 MILES. TURN RIGHT. HEAD SOUTH FOR ± 0.2 MILES. THE STAKED LOCATION FLAG IS TO THE EAST ± 0.6 MILES FROM THE LEASE ROAD.

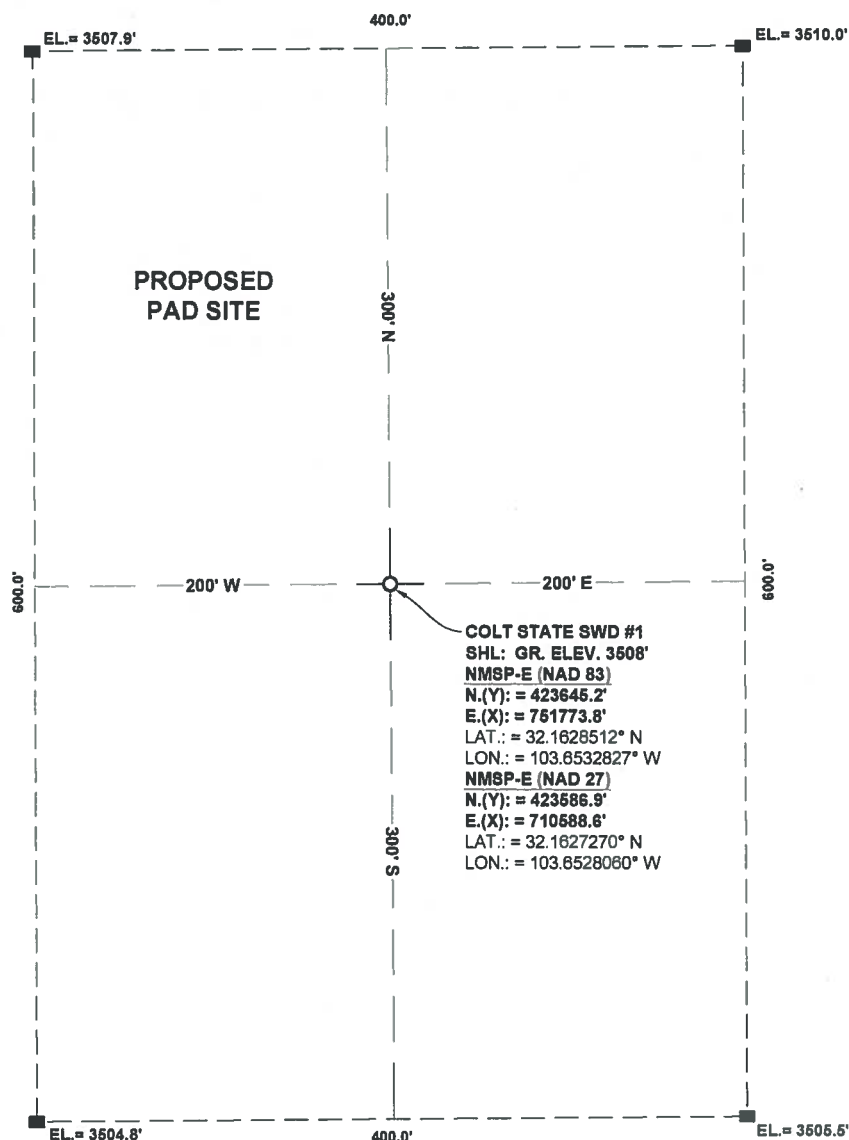
WTC, INC.
405 S.W. 1st Street
Andrews, TX 79714
(432) 523-2181



JOB No.: WTC53208

SITE LOCATION

SECTION LINE



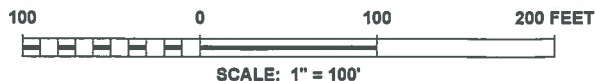
SECTION: 2, T25S, R32E, N.M.P.M.

COUNTY: LEA STATE: NEW MEXICO

DESCRIPTION: 1440' FNL & 300' FWL

OPERATOR: SOLARIS WATER MIDSTREAM, LLC

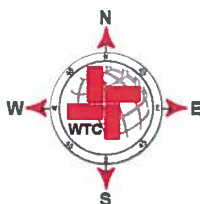
WELL NAME: COLT STATE SWD #1



DRIVING DIRECTIONS:
 BEGINNING AT THE INTERSECTION OF NM HIGHWAY 128 AND ORLA RD. IN JAL, NEW MEXICO; HEAD SOUTH ON ORLA RD. FOR ±3.4 MILES TO A LEASE ROAD ON THE LEFT. TURN LEFT. HEAD EAST FOR ±0.5 MILES. TURN RIGHT. HEAD SOUTH FOR ±0.2 MILES. THE STAKED LOCATION FLAG IS TO THE EAST ±0.6 MILES FROM THE LEASE ROAD.

WTC, INC.
 405 S.W. 1st Street
 Andrews, TX 79714
 (432) 623-2181

WTC
 ENGINEERS | SURVEYORS



SOLARIS
 WATER MIDSTREAM

JOB No.: WTC53208

C- 108 Item VI
Area of Review Well Data

Colt State SWD #1

There are no wells which penetrate the proposed Devonian formation in the one mile area of review.

Legend

 Subject SWD

Distance (miles)

0.5

1

 \square^2

Oil and Gas (NMOCD)

⑤ Miscellaneous

 Gas, Cancelled

 **Gas, Plugged**

 Injection, Plugged

Injection, Temporarily Abandoned

- **Oil, Active**

- Oil, Cancelled

- Oil, New

- Oil, Plugged

Δ Salt Water Injection, Active



0 0.25 0.5 Miles

ELS
EXPLORATION LAND SERVICES

4525 W. 10th Avenue, Suite 100, Denver, CO 80202
 Tel: 303.733.1111 Fax: 303.733.1112
 E-mail: info@denverpost.com

Oil and Gas Wells

Solaris Water Midstream - Colt State SWD #1

Copyright © 2013 National Geographic Society.

June 10, 2019

Table 1
NM Wells Within 2 Miles

API	wellname	well_type	ulstr	ogrid	ogrid_name	status	tot_depth	pool_id_li
30-025-44337	PYTHON 36 STATE COM #701H	O	M-36-245-32E	7377	EOG RESOURCES INC	A	12321	[98180] WC-025 G-09 S253309A, UPR WOLFCAMP
30-025-44338	PYTHON 36 STATE COM #702H	O	M-36-245-32E	7377	EOG RESOURCES INC	A	12878	[98180] WC-025 G-09 S253309A, UPR WOLFCAMP
30-025-08175	COTTON DRAW UNIT #019	I	N-10-255-32E	16696	OXY USA INC	P	4771	[49460] PADUCA, DELAWARE
30-025-08172	E F RAY B NCT-1 #006	O	J-10-255-32E	6137	DEVON ENERGY PRODUCTION COMPANY, LP	P	4775	[49460] PADUCA, DELAWARE
30-025-08173	E F RAY B NCT-1 #001	I	O-10-255-32E	6137	DEVON ENERGY PRODUCTION COMPANY, LP	P	4800	[49460] PADUCA, DELAWARE
30-025-08178	E F RAY B NCT-1 #003	O	C-10-255-32E	6137	DEVON ENERGY PRODUCTION COMPANY, LP	P	4815	[49460] PADUCA, DELAWARE
30-025-42516	PAINT 33 FEDERAL #001H	O	M-33-245-32E	6137	DEVON ENERGY PRODUCTION COMPANY, LP	A	10751	[97899] WC-025 G-06 S253206M, BONE SPRING
30-025-08170	COTTON DRAW UNIT #006	I	M-10-255-32E	16696	OXY USA INC	P	4795	[49460] PADUCA, DELAWARE
30-025-27873	COTTON DRAW UNIT #075	O	C-15-255-32E	16696	OXY USA INC	P	4750	[49460] PADUCA, DELAWARE
30-025-08186	COTTON DRAW UNIT #005	O	C-15-255-32E	22351	TEXACO EXPLORATION & PRODUCTION INC	P	4851	[49460] PADUCA, DELAWARE
30-025-08189	COTTON DRAW UNIT #021	O	B-15-255-32E	22351	TEXACO EXPLORATION & PRODUCTION INC	P	4798	[49460] PADUCA, DELAWARE
30-025-08179	COTTON DRAW UNIT #041	O	L-10-255-32E	22351	TEXACO EXPLORATION & PRODUCTION INC	P	4825	[49460] PADUCA, DELAWARE
30-025-08171	COTTON DRAW UNIT #060	I	G-10-255-32E	22351	TEXACO EXPLORATION & PRODUCTION INC	P	4896	[49460] PADUCA, DELAWARE
30-025-08166	COTTON DRAW UNIT #049	O	J-03-255-32E	22351	TEXACO EXPLORATION & PRODUCTION INC	P	4890	
30-025-22591	COTTON DRAW UNIT #071	O	E-34-245-32E	22351	TEXACO EXPLORATION & PRODUCTION INC	P	4850	
30-025-20120	COTTON DRAW UNIT #063	O	D-10-255-32E	22351	TEXACO EXPLORATION & PRODUCTION INC	P	4910	[49460] PADUCA, DELAWARE
30-025-41829	LIPPIZZAN 4 FEDERAL #001H	O	4-04-255-32E	6137	DEVON ENERGY PRODUCTION COMPANY, LP	A	10708	[96715] WC-025 G-06 S253206M, BONE SPRING
30-025-42591	PAINT 33 FEDERAL #002H	O	N-33-245-32E	6137	DEVON ENERGY PRODUCTION COMPANY, LP	A	10772	[97899] WC-025 G-06 S253206M, BONE SPRING
30-025-42633	PADUCA BREAKS 9 FEDERAL #001H	O	B-09-255-32E	6137	DEVON ENERGY PRODUCTION COMPANY, LP	C	0	[96715] WC-025 G-06 S253206M, BONE SPRING
30-025-41996	COTTON DRAW UNIT #237H	O	M-10-255-32E	6137	DEVON ENERGY PRODUCTION COMPANY, LP	A	10643	[96715] WC-025 G-06 S253206M, BONE SPRING
30-025-42634	PADUCA BREAKS 9 FEDERAL #002H	O	A-09-255-32E	6137	DEVON ENERGY PRODUCTION COMPANY, LP	C	0	[96715] WC-025 G-06 S253206M, BONE SPRING
30-025-22024	COTTON DRAW SWD #066	S	E-10-255-32E	161968	MESQUITE SWD, INC	A	15769	[96802] SWD, BELL CANYON-CHERRY CANYON
30-025-42717	BLUE QUAIL SWD FEDERAL #001	S	F-11-255-32E	161968	MESQUITE SWD, INC	A	6274	[96769] SWD, BELL CANYON
30-025-40896	GOLD COAST 26 FEDERAL #001H	O	P-26-245-32E	217955	COG PRODUCTION, LLC	A	10955	[97784] WC-025 G-06 S253201M, UPPER BONE SPRING; [97964] WC-025 G-07 S243225C, LWR BONE SPRING
30-025-44627	EIDER FEDERAL #202H	O	M-35-245-32E	217955	COG PRODUCTION, LLC	N	0	[97784] WC-025 G-06 S253201M, UPPER BONE SPRING
30-025-44630	EIDER FEDERAL #102H	O	M-35-245-32E	217955	COG PRODUCTION, LLC	N	0	[97784] WC-025 G-06 S253201M, UPPER BONE SPRING
30-025-44633	EIDER FEDERAL #106H	O	O-35-245-32E	217955	COG PRODUCTION, LLC	N	0	[97784] WC-025 G-06 S253201M, UPPER BONE SPRING
30-025-41813	EIDER FEDERAL #002H	O	O-35-245-32E	217955	COG PRODUCTION, LLC	A	10896	[97964] WC-025 G-07 S243225C, LWR BONE SPRING
30-025-42291	GADWALL 35 FEDERAL #005H	O	P-35-245-32E	217955	COG PRODUCTION, LLC	A	10900	[97964] WC-025 G-07 S243225C, LWR BONE SPRING
30-025-43744	DOS XX 27 FEDERAL COM #003H	O	P-27-245-32E	217955	COG PRODUCTION, LLC	N	0	[97784] WC-025 G-06 S253201M, UPPER BONE SPRING
30-025-27186	COTTON DRAW UNIT #074	O	N-34-245-32E	20077	SAHARA OPERATING CO	A	4967	[49490] PADUCA, DELAWARE, NORTH
30-025-37598	COTTON DRAW UNIT #102	O	G-10-255-32E	20077	SAHARA OPERATING CO	A	5000	[49460] PADUCA, DELAWARE
30-025-44628	EIDER FEDERAL #301H	O	M-35-245-32E	217955	COG PRODUCTION, LLC	N	0	[97784] WC-025 G-06 S253201M, UPPER BONE SPRING
30-025-40364	GADWALL 35 FEDERAL #001H	O	A-35-245-32E	217955	COG PRODUCTION, LLC	A	9624	[97784] WC-025 G-06 S253201M, UPPER BONE SPRING
30-025-44635	EIDER FEDERAL #203H	O	N-35-245-32E	217955	COG PRODUCTION, LLC	N	0	[97784] WC-025 G-06 S253201M, UPPER BONE SPRING
30-025-44638	EIDER FEDERAL #303H	O	N-35-245-32E	217955	COG PRODUCTION, LLC	N	0	[97784] WC-025 G-06 S253201M, UPPER BONE SPRING
30-025-08169	COTTON DRAW UNIT #052	O	I-09-255-32E	20077	SAHARA OPERATING CO	A	4829	[49460] PADUCA, DELAWARE
30-025-22882	COTTON DRAW UNIT #073	O	I-04-255-32E	20077	SAHARA OPERATING CO	A	4870	[49490] PADUCA, DELAWARE, NORTH
30-025-44629	EIDER FEDERAL #101H	O	N-35-245-32E	217955	COG PRODUCTION, LLC	N	0	[97784] WC-025 G-06 S253201M, UPPER BONE SPRING
30-025-44632	EIDER FEDERAL #104H	O	N-35-245-32E	217955	COG PRODUCTION, LLC	N	0	[97784] WC-025 G-06 S253201M, UPPER BONE SPRING
30-025-44639	EIDER FEDERAL #304H	O	N-35-245-32E	217955	COG PRODUCTION, LLC	N	0	[97784] WC-025 G-06 S253201M, UPPER BONE SPRING
30-025-44636	EIDER FEDERAL #204H	O	N-35-245-32E	217955	COG PRODUCTION, LLC	N	0	[97784] WC-025 G-06 S253201M, UPPER BONE SPRING
30-025-44631	EIDER FEDERAL #103H	O	N-35-245-32E	217955	COG PRODUCTION, LLC	N	0	[97784] WC-025 G-06 S253201M, UPPER BONE SPRING
30-025-44634	EIDER FEDERAL #201H	O	M-35-245-32E	217955	COG PRODUCTION, LLC	N	0	[97784] WC-025 G-06 S253201M, UPPER BONE SPRING
30-025-44637	EIDER FEDERAL #302H	O	M-35-245-32E	217955	COG PRODUCTION, LLC	N	0	[97784] WC-025 G-06 S253201M, UPPER BONE SPRING
30-025-22738	COTTON DRAW UNIT #072	O	P-33-245-32E	20077	SAHARA OPERATING CO	A	4850	[49490] PADUCA, DELAWARE, NORTH
30-025-22439	COTTON DRAW UNIT #070	O	L-34-245-32E	20077	SAHARA OPERATING CO	A	4850	[49490] PADUCA, DELAWARE, NORTH
30-025-22294	COTTON DRAW UNIT #069	O	K-34-245-32E	20077	SAHARA OPERATING CO	A	4937	[49490] PADUCA, DELAWARE, NORTH
30-025-35206	RAY 9 FEDERAL #001	O	B-09-255-32E	20077	SAHARA OPERATING CO	P	4468	[96838] DRY AND ABANDONED
30-025-28654	EXXON A FEDERAL #004	O	N-27-245-32E	22223	TEMPO ENERGY INC	P	4862	[19090] DOUBLE X, DELAWARE
30-025-08174	COTTON DRAW UNIT #033	O	F-10-255-32E	17891	POGO PRODUCING CO	P	4791	[49460] PADUCA, DELAWARE
30-025-08176	COTTON DRAW UNIT #024	O	K-10-255-32E	17891	POGO PRODUCING CO	P	4787	[49460] PADUCA, DELAWARE
30-025-28202	EXXON A FEDERAL #002	S	K-27-245-32E	19381	ROBERT H FORREST JR OIL LLC	A	4977	[96100] SWD, DELAWARE
30-025-26360	WRIGHT FEDERAL #002	O	G-27-245-32E	18714	RALPH E WILLIAMSON	P	4885	[19090] DOUBLE X, DELAWARE
30-025-40408	UNDAUNTED BSD STATE COM #001H	O	O-02-255-32E	25575	EOG Y RESOURCES, INC.	A	10882	[97784] WC-025 G-06 S253201M, UPPER BONE SPRING; [97964] WC-025 G-07 S243225C, LWR BONE SPRING
30-025-40054	BASILISK BQS STATE COM #001H	O	N-36-245-32E	25575	EOG Y RESOURCES, INC.	A	9295	[97784] WC-025 G-06 S253201M, UPPER BONE SPRING
30-025-43118	UNDAUNTED BSD STATE COM #003C	O	P-02-255-32E	25575	EOG Y RESOURCES, INC.	C	0	[97964] WC-025 G-07 S243225C, LWR BONE SPRING
30-025-42144	PYTHON BUZ STATE #002C	O	O-36-245-32E	25575	EOG Y RESOURCES, INC.	C	0	[97964] WC-025 G-07 S243225C, LWR BONE SPRING

6/10/2019

Table 1
NM Wells Within 2 MilesSolaris Water Midstream
Colt State SWD #1

API	wellname	well_type	ulstr	ogrid	ogrid_name	status	tot_depth	pool_id_li
30-025-39525	FARBER BOB FEDERAL #001H	O	M-01-255-32E	25575	EOG Y RESOURCES, INC.	A	13586	[96038] WILDCAT, GROUP 7; [97784] WC-025 G-06 S253201M, UPPER BONE SPR
30-025-41988	BASILISK BQS STATE COM #003C	O	M-36-245-32E	25575	EOG Y RESOURCES, INC.	C	0	[97964] WC-025 G-07 S243225C, LWR BONE SPRIN
30-025-43453	UNDAUNTED BSD STATE COM #002H	O	N-02-255-32E	25575	EOG Y RESOURCES, INC.	N	0	[97964] WC-025 G-07 S243225C, LWR BONE SPRIN
30-025-42143	PYTHON BUZ STATE #001C	O	P-36-245-32E	25575	EOG Y RESOURCES, INC.	C	0	[97964] WC-025 G-07 S243225C, LWR BONE SPRIN
30-025-42284	BASILISK BQS STATE COM #002C	O	M-36-245-32E	25575	EOG Y RESOURCES, INC.	C	0	[97964] WC-025 G-07 S243225C, LWR BONE SPRIN
30-025-08180	PRE-ONGARD WELL #001	O	O-11-255-32E	214263	PRE-ONGARD WELL OPERATOR	P	4842	
30-025-08177	PRE-ONGARD WELL #002	O	E-10-255-32E	214263	PRE-ONGARD WELL OPERATOR	P	4850	[49460] PADUCA, DELAWARE
30-025-41570	GOLD COAST 26 FEDERAL SWD #001	S	K-26-245-32E	229137	COG OPERATING LLC	A	7200	[96802] SWD, BELL CANYON-CHERRY CANYON
30-025-37636	COTTON DRAW UNIT #104	O	B-15-255-32E	256999	POGO PRODUCING COMPANY LLC	C	0	
30-025-37635	COTTON DRAW UNIT #103	O	I-09-255-32E	256999	POGO PRODUCING COMPANY LLC	C	0	
30-025-37776	COTTON DRAW UNIT #109	O	F-10-255-32E	256999	POGO PRODUCING COMPANY LLC	C	0	
30-025-37657	COTTON DRAW UNIT #091	O	L-10-255-32E	256999	POGO PRODUCING COMPANY LLC	C	0	
30-025-28721	PRE-ONGARD WELL #001	O	N-33-245-32E	214263	PRE-ONGARD WELL OPERATOR	C	0	
30-025-29251	PRE-ONGARD WELL #003	O	O-26-245-32E	214263	PRE-ONGARD WELL OPERATOR	C	0	
30-025-21801	PRE-ONGARD WELL #001	O	M-25-245-32E	214263	PRE-ONGARD WELL OPERATOR	P	5038	
30-025-08165	PRE-ONGARD WELL #001	O	M-35-245-32E	214263	PRE-ONGARD WELL OPERATOR	P	4979	
30-025-28935	PRE-ONGARD WELL #002	O	J-26-245-32E	214263	PRE-ONGARD WELL OPERATOR	P	5100	
30-025-29212	PRE-ONGARD WELL #004	O	C-35-245-32E	214263	PRE-ONGARD WELL OPERATOR	P	5100	
30-025-42301	FUGGLES 11 FEDERAL COM #002H	O	N-11-255-32E	215099	CIMAREX ENERGY CO.	N	0	[97784] WC-025 G-06 S253201M, UPPER BONE SPR
30-025-42300	FUGGLES 11 FEDERAL COM #001H	O	M-11-255-32E	215099	CIMAREX ENERGY CO.	N	0	[97784] WC-025 G-06 S253201M, UPPER BONE SPR

C- 108 Item X
Logs and Available Test Data

Colt State SWD #1

A Standard Suite of Logs will be run after drilling the well and submitted to the Division.

C- 108 Item VII Proposed Operation

Colt State SWD #1

Commercial SWD Facility

Upon approval of all permits for SWD, operations would begin within 30 days. Completion of the well operations will take approximately 6-8 weeks. Facility construction including installation of the tank battery, berms, plumbing and other and associated equipment would be occurring during the same interval but at a different location from the well. In any event, it is not expected for the construction phase of the project to last more than 60 days, depending on availability of contractors and equipment.

Configure for Salt Water Disposal

Prior to commencing any work, an NOI sundry(ies) will be submitted to configure the well for SWD and will detail the completion workover including all work otherwise described above, any change to the procedure noted herein and to perform mechanical integrity pressure test per OCD test procedures. (Notify NMOCD 24 hours prior.) The casing/tubing annulus will be monitored for communication with injection fluid or loss of casing integrity.

Operational Summary

The SWD facility will not be fenced so that trucks may access for load disposal 24/7.

The well and injection equipment will be a closed system and equipped with pressure limiting devices and volume meters. The annulus, loaded with an inert, anti-corrosion packer fluid, will be monitored for pressure.

The tanks will be equipped with telemetry devices and visual alarms to alert the operator and customers of full tanks or an overflow situation.

Anticipated daily maximum volume is 40,000 bpd and an average of 25,000 bpd at a maximum surface injection pressure of 3,468 psi (.2 psi/ft gradient – maximum pressure will be adjusted if the top of interval is modified after well logs are run).

Potential releases will be contained and cleaned up immediately. The operator shall repair or otherwise correct the situation within 48 hours before resuming operations. OCD will be notified within 24 hours of any release greater than 5 bbls. If required, remediation will start as soon as practicable. Operator shall comply with 19.15.29 NMAC and 19.15.30 NMAC, as necessary and appropriate.

**C- 108 Item VII
Produced Water Analyses**

Colt State SWD #1

Item VII.4- Water Analysis of Source Zone Water

Delaware
Bone Spring
Avalon

Item VII.5- Water Analysis of Disposal Zone Water

Devonian

Water Analyses follow this page.

wellname	api	field	formation	depth	samplesourc	sampledate	ph	tds_mgl	resistivity_of	sodium_mgl	calcium_mgl	iron_mgl	barium_mgl	magnesium	manganese	chloride_mgl	bicarbonate	sulfate_mgl	co2_mgl	
TRIONYX 6 FEDERAL #001H	3002539948		AVALON LOWER			1/15/15 0:00		6.2	122	0	0	0		0	0	0	122	0	200	
TRIONYX 6 FEDERAL #004H	3002540044		DELAWARE-BRUSHY CANYON			1/15/15 0:00		6.3	239818.3	74875.7	14394.1	58.6		2437.4	2.53	145508.4	122	0	300	
TRIONYX 6 FEDERAL #003Y	3002540105		AVALON LOWER			1/15/15 0:00		6.5	144738.6	53757.9	718.2	44.8		135.8	0	86689.6	1098	0	400	
UPPIZZAN 4 FEDERAL #001H	3002541829		BONE SPRING 2ND SAND			1/27/15 0:00		6.3	140235.4	42818.4	6441.7	40.5		785.3	0	87998.1	244	0	200	
TRIONYX 6 FEDERAL #011H	3002542312		DELAWARE-BRUSHY CANYON			10/7/15 0:00		6.5	239860	0.05146	74029.5	13590.6	48.6		2237.5		147359.6		639.6	300
JENNINGS FEDERAL #001	3002508242					10/8/15 0:00		6.1	226822	0.05289	57077.4	20081.9	19.4		2953.6		144325.8		528.7	300
TRIONYX 6 FEDERAL #008H	3002540048		BONE SPRING 2ND SAND			12/18/12 0:00		7.65	179697.7		56825.9	9232	23		1459	2	108593	48.8	1692	230
TRIONYX 6 FEDERAL #001H	3002539948		AVALON LOWER			2/1/13 0:00		7.4	165243.8		62859.4	567	17		107	0.2	97097	2281.4	1177	40
TRIONYX 6 FEDERAL #002H	3002539949		AVALON MIDDLE			2/1/13 0:00		7.2	191604.1		65433.6	6298	128		1120	2	114866	793	1710	50
TRIONYX 6 FEDERAL #003Y	3002540105		AVALON LOWER			2/1/13 0:00		7.1	164202.4		62428.1	501	25		96	0.5	96323	2305.8	1264	30
TRIONYX 6 FEDERAL #008H	3002540048		BONE SPRING 2ND SAND			1/23/14 0:00		6.8	132327		40473	6252	23		836	1	82438	244	0	200
TRIONYX 6 FEDERAL #002H	3002539949		AVALON MIDDLE			1/27/14 0:00		6.3	197184.5		62422	6809	218		1344	3.5	123168	549	0	500
TRIONYX 6 FEDERAL #005H	3002540045		BONE SPRING 2ND SAND			1/29/14 0:00		6.7	139871.5		40364	6643	41		750	1.5	89675	183	0	200
TRIONYX 6 FEDERAL #006H	3002540046		DELAWARE-BRUSHY CANYON			1/29/14 0:00		6.2	225114.5		60110	12606	50		1970	3	147814	122	0	250
UPPIZZAN 4 FEDERAL #001H	3002541829		BONE SPRING 2ND SAND			11/11/14 0:00		6.5	139733.4		42191.3	7002.9	78.4		913.2	1.66	87280.6	244	0	150
TRIONYX 6 FEDERAL #007H	3002540047		DELAWARE-BRUSHY CANYON			3/20/15 0:00		6.7	252093.3	0.04616	78472.1	17591.8	34.8		2984	2.98	150156.7	148.8	0	300
TRIONYX 6 FEDERAL #007H	3002540047		DELAWARE-BRUSHY CANYON			4/7/15 0:00		6.7	248632	0.04819	71715	15831.6	43.8		2760.6	2.61	155536.8	122	0	400
UPPIZZAN 4 FEDERAL #001H	3002541829		BONE SPRING 2ND SAND			4/7/15 0:00		7.2	141809.9	0.06181	43932.5	6382.4	63.2		789.5	1.2	88463.4	244	0	100
COTTON DRAW UNIT #237H	3002541996		BONE SPRING 2ND SAND			4/7/15 0:00		6.5	207154.8	0.05017	68477	4041.6	41.3		1744.6	1.53	126763.4	122	0	200
TRIONYX 6 FEDERAL #009H	3002542475		BONE SPRING 2ND SAND			8/31/15 0:00		6.2	162064.6	0.06346	49783.6	7951.8	36.1		987.1		100900.9		949.5	100
TRIONYX 6 FEDERAL #010H	3002542476		BONE SPRING 2ND SAND			8/31/15 0:00		6.58	151458.9	0.06586	46370.7	7184.6	35.5		876		94430.6		1111.8	200
COTTON DRAW UNIT #049	3002508166				UNKNOWN				247372								153000	102	760	
COTTON DRAW UNIT #024	3002508176	PADUCA	DELAWARE		SWAB				246555								152600	112	939	
COTTON DRAW UNIT #001	3002508182	PADUCA	DELAWARE		DST				308600											
COTTON DRAW UNIT #001	3002508182	PADUCA	DELAWARE		DST				309990											
MONSANTO STATE #001	3002508196	PADUCA	DELAWARE		UNKNOWN				224016							138600	139	462		
COTTON DRAW UNIT #004	3002508221	PADUCA	DELAWARE		UNKNOWN				276839							170500	198	552		
G E JORDAN NCT-1 #021	3002508226	PADUCA	DELAWARE		SWAB				239464							147800	64	908		
TRIONYX 6 FEDERAL #001H	3002539948		AVALON LOWER			12/8/11 0:00		7	144951	54645.4	665	22		113	0.3	84541	2708.4	1047	60	
TRIONYX 6 FEDERAL #002H	3002539949		AVALON MIDDLE			12/8/11 0:00		7	145592.5	55404.5	440	25		71	0.3	84840	2806	1092	60	
TRIONYX 6 FEDERAL #003Y	3002540105		AVALON LOWER			12/8/11 0:00		7	145530.9	55235.9	493	27		80	0.5	84856	2720.6	1090	60	

C- 108 Item VIII Geologic Information

Colt State SWD #1

The Devonian consist of carbonates including light colored dolomite and chert intervals interspersed with some tight limestone intervals. Several thick sections of porous dolomite capable of taking water are believed present within the subject formations in the area. Depth control data was inferred from deep wells to the south and east. If the base of Devonian come in as expected the well will only be drilled deep enough for adequate logging rathole.

At a proposed injection interval of 17,343 -18,818' BGL (Below Ground Level) the well will TD at approximately 18,818'. Mud logging through the interval will ensure the target interval remains in Devonian, Fusselman and Montoya. Once Devonian is determined, the casing shoe depth will be set at an approximate maximum upper depth of 17,343 BGL. Injection will occur through the resulting openhole interval. Should mud or other logs indicate depth adjustment is required to exploit the desired formation as described; sundries with appropriate data will be filed with the OCD.

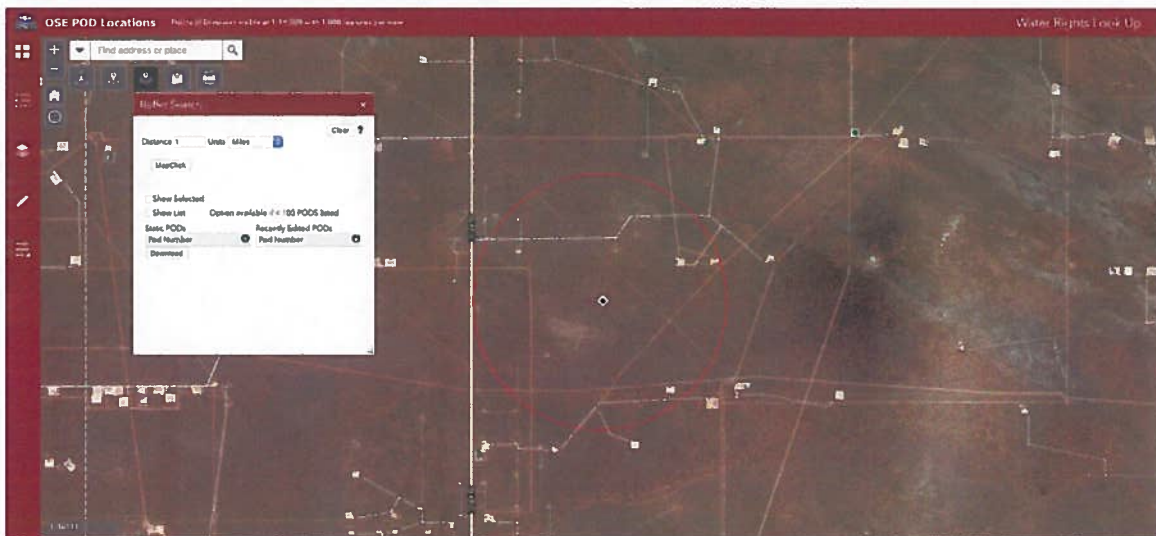
The Devonian is overlain by the Mississippian LM, Barnett and by the Morrow Clastics, Morrow LM, and Atoka.

Fresh water in the area is generally available from the Rustler formation and some alluvial deposits. State Engineer's records show 12 water wells in a 5 mile radius with a depth to groundwater of 150 -500 feet.

There are no water wells located within one mile of the proposed SWD.

C- 108 Item VIII & XI Groundwater Basins- Water Column/ Depth to Groundwater Water Wells in AOR

Colt State SWD #1 Water Well Map



The subject well is located within the Carlsbad Basin.

Fresh water in the area is generally available from valley and basin fill of the Carlsbad-Pecos segment of the lower Pecos Valley complex of Quaternary alluvial sand and gravel deposits. State Engineer's records show water wells in surrounding area with an average depth to water at 150 ft.

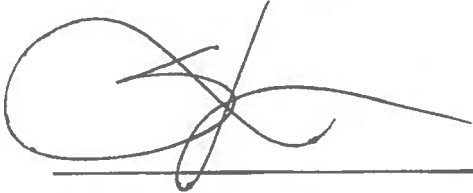
There are no water wells located within one mile of the proposed SWD.

C- 108 Item XII
Geologic Affirmation

Colt State SWD #1

GEOLOGIC AFFIRMATION

I have examined available geologic and engineering data and have found no evidence of open faults or other hydrologic connection between the disposal interval and underground sources of drinking water.

A handwritten signature in black ink, consisting of a large, stylized 'S' followed by a horizontal line and a small flourish.

Stephen Martinez
Sr. Vice President of Drilling

Project: **Solaris Water Midstream, LLC**
 Colt State SWD #1

**C- 108 Item XIII
Proof of Notification
Affected Parties List**

Colt State SWD #1



Legend

Subject SWD

Distance (miles)

0.5

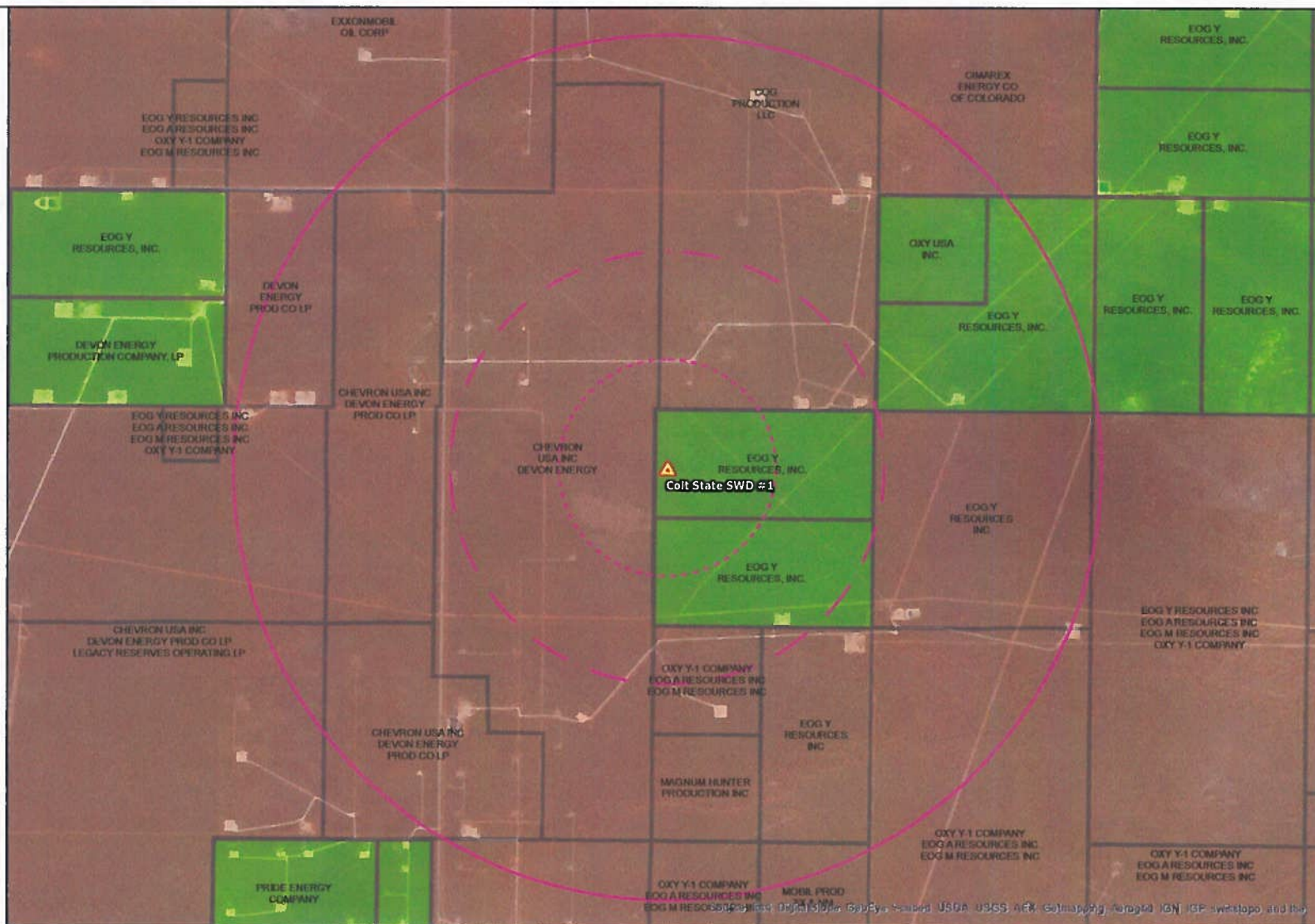
1

2

Oil and Gas Leases

BLM Lease

SLO Lease



ELS
EXPLORATION LAND SERVICES
4010 N. Highway 100, Suite 100, P.O. Box 100, Littleton, CO 80120
Phone: 303.733.1000 Fax: 303.733.1001 Email: els@explorationland.com

New Mexico State and Federal Leases **Solaris Water Midstream - Colt State SWD #1**

June 10, 2019

6/10/2019

Table 2a
BLM Leases Within 2 Miles

Solaris Water Midstream
Colt State SWD #1

SerialNumb	Name1	PerInt1	Name2	PerInt2	Name3	PerInt3	Name4	PerInt4
NMLC 0061936A	CHEVRON USA INC	50	DEVON ENERGY PROD CO L	50		0		0
NMLC 0061873B	CHEVRON USA INC	0	DEVON ENERGY PROD CO L	0	LEGACY RESERVES OPERAT	0		0
NMNM 015317	EOG Y RESOURCES INC	100		0		0		0
NMNM 0054031	CHEVRON USA INC	0	DEVON ENERGY PROD CO L	0		0		0
NMLC 0061863A	CHEVRON USA INC	50	DEVON ENERGY PROD CO L	50		0		0
NMNM 016353	EXXONMOBIL OIL CORP	100		0		0		0
NMLC 0062300	3-M ENERGY CO	0	CHEVRON USA INC	0	DEVON ENERGY	0	PROVIDENCE MINERALS L	0
NMLC 0071986	MAGNUM HUNTER PRODUCTION INC	100		0		0		0
NMLC 0061936	CHEVRON USA INC	0	DEVON ENERGY	0		0		0
NMNM 015912	MOBIL PROD TX & NM	100		0		0		0
NMNM 113964	DEVON ENERGY PROD CO LP	100		0		0		0
NMNM 110835	OXY Y-1 COMPANY	33.34	EOG A RESOURCES INC	33.33	EOG M RESOURCES INC	33.33		0
NMNM 122619	EOG Y RESOURCES INC	40	EOG A RESOURCES INC	20	EOG M RESOURCES INC	20	OXY Y-1 COMPANY	20
NMNM 127895	CIMAREX ENERGY CO OF COLORADO	100		0		0		0
NMNM 120907	COG PRODUCTION LLC	100		0		0		0

6/18/2019

Table 2b
SLO Leases Within 2 Miles

Solaris Water Midstream
Colt State SWD #1

UNIQUEKEY	LSE_PREFIX	LSE_NUMBER	LSE_SUFFIX	OGRID	OGRID_NAM
V077110002	V0	7711	2	264073	OXY USA INC.
VB11850001	VB	1185	1	25575	EOG Y RESOURCES, INC.
VB11860001	VB	1186	1	25575	EOG Y RESOURCES, INC.
VB11920001	VB	1192	1	25575	EOG Y RESOURCES, INC.
VB11940001	VB	1194	1	25575	EOG Y RESOURCES, INC.



Legend

▲ Subject SWD

Distance (miles)

0.5

1

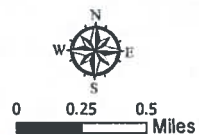
2

NM Land Ownership

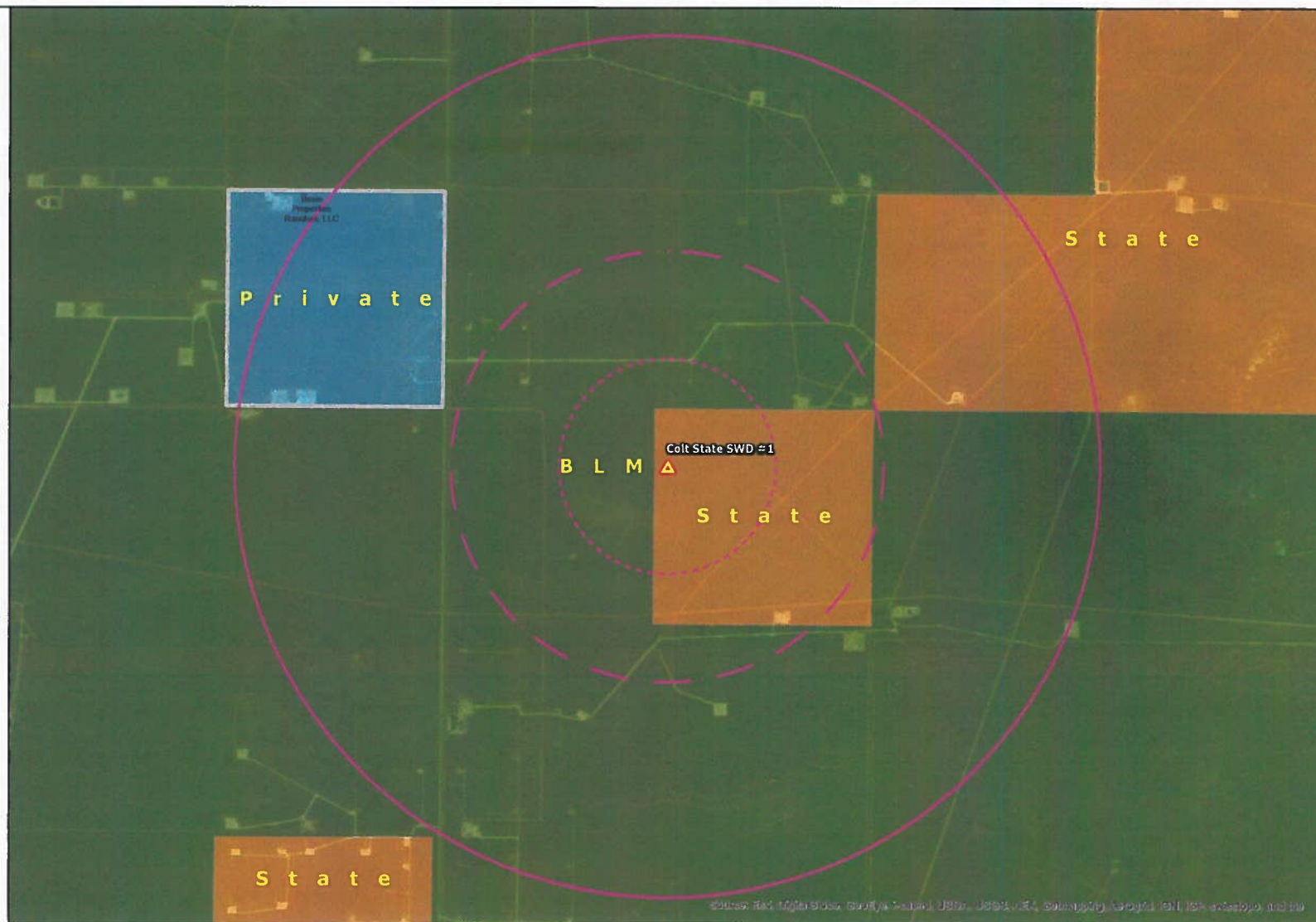
BLM

State

Private



ELS
EXPLORATION LAND SERVICES
4021 E. 9th Avenue, Suite 100, Denver, CO 80202
Phone: 303.733.1000 Fax: 303.733.1001
Email: info@explorationland.com



Source: Red, Yellow, Green, Blue, Purple, Orange, Brown, Grey, Black, White, and other colors are used to represent different land ownership types.

Surface Owners

Solaris Water Midstream - Colt State SWD #1

June 10, 2019

6/18/2019

Table 3
Surface Owners Within 2 Miles

Solaris Water Midstream
Colt State SWD #1

OWNER NAME
BASIN PROPERTIES RANCHES, LLC
BUREAU OF LAND MANAGEMENT
STATE OF NEW MEXICO



June 25th , 2019

NOTIFICATION TO INTERESTED PARTIES

Via U.S. Certified Mail- Return Receipt Requested

To whom it may concern,

Solaris Water Midstream, LLC, Midland, Texas, has made an application to the New Mexico Oil Conservation Division to drill and complete, for salt water disposal, the Colt State SWD No. 1. The proposed commercial operation will be for produced water disposal from area operators. As indicated in the notice below, the well is located in Section 2, Township 25 South, Range 32 East in Lea County, New Mexico.

The published notice states that the interval will be from 17,078 feet to 18,253 feet into the Devonian, Fusselman and Montoya Formations.

Following is the notice to be published in the Hobbs News Sun, Hobbs, New Mexico on or about June 28th, 2019.

LEGAL NOTICE

Solaris Water Midstream, LLC, 907 Tradewinds Blvd., Suite B, Midland, TX 79706 filed Form C-108 (Application for Authorization to Inject) with the New Mexico Oil Conservation Division seeking administrative approval for a salt water disposal well. The proposed well, the Colt State SWD No. 1 will be located 1440 feet from the North line and 300 feet from the West line, Section 2, Township 25 South, Range 32 East, Lea County, New Mexico. Produced water from area production will be commercially disposed into the Devonian, Fusselman and Montoya Formations at a depth of 17,343 feet to 18,818 feet at a maximum surface pressure of 3,468 psi and an average injection rate of 40,000 barrels per day. (Final completion depths may be adjusted per mudlogging and reported to the NMOCD on form C-105; pressure will remain at the standard gradient of 0.2 psi/ft of the uppermost injection interval depth). The proposed SWD well is located approximately 25 miles SE of Malaga, NM.

Interested parties wishing to object to the proposed application must file with the New Mexico Oil Conservation Division, 1220 S. St. Francis Dr., Santa Fe, NM 87505 (505) 476-3460 within 15 days of the date of this notice. Additional information may be obtained from the applicant's agent, Gavilan Solutions, LLC, 505-360-9819 or email: awhite@gavilansolutions.com.

You have been identified as a party who may be interested as an offset lessee or operator.

You are entitled to a full copy of the application. A full copy in PDF format is available for immediate download with the link below.

URL Link: <https://www.dropbox.com/sh/plplzspysue0lb/AADvIVxDTAyoG-3ar2QtWQda?dl=0>

You may also receive a copy by emailing awhite@gavilansolutions.com with your request. Please use a subject like
Colt State SWD #1 request.

Thank you for your attention to this matter.

A handwritten signature in black ink, appearing to read "Whitney McKee". The signature is fluid and cursive, with the first name "Whitney" being more prominent than the last name "McKee".

Whitney McKee

Solaris Water Midstream, LLC
Regulatory Specialist

**C- 108 Item XIV
Proof of Notice
Certified Mail Receipts**

Colt State SWD #1

A copy of the receipts will be sent on to OCD when they have been received.

C- 108 Item XIV
Proof of Notice
Legal Notice in Newspaper of General Circulation

Colt State SWD #1

Below is the "Proof Copy" sent from the Hobbs News Sun. The affidavit go publication will be forwarded as soon as it is received.

Order Confirmation

Ad Order Number

0001289832

Customer

GAVILAN SOLUTIONS, LLC

Customer Account

176910

PO Number

Legal Notice

Sales Rep.

VStephens

Customer Address

PO BOX 44212
RIO RANCHO NM 87174 USA

Customer Phone

505-360-9819

Ordered By

Ashley White

Order Taker

VStephens

Customer Fax

Customer EMail

Order Source

Payor Customer

GAVILAN SOLUTIONS, LLC

Payor Account

176910

Special Pricing

None

Tear Sheets

0

Proofs

0

Affidavits

1

Blind Box

Promo Type

Materials

Invoice Text

Ad Order Notes

Net Amount

\$67.44

Tax Amount

\$5.16

Total Amount

\$72.60

Payment Method

Payment Amount

\$0.00

Amount Due

\$72.60

Ad Number

0001289832-01

Ad Type

CLS Legal liner

Ad Size

: 2.0 X 38 Li

Color

<NONE>

Production Method

AdBooker

Production Notes

External Ad Number

Ad Attributes

Ad Released

No

Pick Up

LEGAL NOTICE
Solaris Water Midstream, LLC, 907 Tradewinds Blvd., Suite B, Midland, TX 79706 filed Form C-108 (Application for Authorization to Inject) with the New Mexico Oil Conservation Division seeking administrative approval for a saltwater disposal well. The proposed well, the Lark State SWD No. 1 will be located 2085 feet from the South line and 341 feet from the East line, Section 28, Township 26 South, Range 31 East, Eddy County, New Mexico. Produced water from area production will be commercially disposed into the Devonian, Fusselman and Montoya Formations at a depth of 17,078 feet to 18,253 feet at a maximum surface pressure of 3,212 psi and an average injection rate of 40,000 barrels per day. Interested parties wishing to object to the proposed application must file with the New Mexico Oil Conservation Division, 1220 S. St. Francis Dr., Santa Fe, NM 87505 (505) 476-3460 within 15 days of the date of this notice. Additional information may be obtained from the applicant's agent, Gavilan Solutions, LLC, 505-360-9819 or email: awhite@gavilansolutions.com.
Published: June 27, 2019